

HPE Networking Private 5G overview

Course overview

This one-day, intermediate-level course helps you understand HPE Networking Private 5G solutions and the components required to deploy a dedicated, secure private 5G network for enterprise use. You will learn how private 5G solutions integrate with existing Wi-Fi networks, how to identify the solution that best meets a customer's requirements, and how to deploy it effectively.

The course also prepares you for the HPE Advanced Product Certified—HPE Networking P5G certification exam (HPE6-A92).

Course level

Intermediate level

Intended audience

Pre-sales and post-sales technical engineers

Prerequisites

Familiarity with HPE Networking Private 5G technology through the material available at [HPE Private 5G](#)

Related certifications

HPE Advanced Product Certified—HPE Networking P5G (HPE6-A92)

Related products

HPE Networking Private 5G

Recommended next courses

NA

Course contents

Day 1

Module 01: Private 5G overview

- Explain the benefits of private 5G and key technologies
 - Identify the benefits of private 5G
 - Explain key technologies underpinning private 5G

Module 02: HPE Networking Private 5G solutions overview

- Identify the components of HPE Networking Private 5G solutions
 - Describe the components of HPE Networking Private 5G cloud, on-prem, and software solutions
 - Explain the benefits of HPE Networking Private 5G solutions

Module 03: Architecture and planning

- Describe HPE Networking Private 5G solution architectures and planning requirements
 - Provide an overview of solution architectures and redundancy options
 - Identify infrastructure requirements

Module 04: Implementing HPE Networking Private 5G cloud

- Describe the steps to implement HPE Networking Private 5G cloud
 - Describe how to order HPE Networking Private 5G cloud components
 - Identify an example VLAN, subnet, and cabling plan
 - Describe how to install and connect the core appliances
 - Explain how to create and deploy a network
 - Describe the process for provisioning subscribers

Module 05: Implementing HPE Networking Private 5G on-prem

- Describe the steps to implement HPE Networking Private 5G on-prem
 - Describe how to order HPE Networking Private 5G on-prem components
 - Identify an example VLAN, subnet, and cabling plan
 - Describe how to install and connect the core appliances
 - Explain how to create and deploy a network
 - Describe the process for provisioning subscribers

Module 06: Implementing HPE Networking Private 5G software and hardware solutions

- Describe the deployment process for HPE Networking Private 5G software and hardware solutions
 - Explain the overall deployment process and steps performed by HPE at the factory
 - Describe how to help customers order the correct components
 - Explain how to ensure the integration runs smoothly

Module 07: Deploying and configuring HPE Networking small-cell radios

- Describe how to deploy and configure HPE Networking small-cell radios
 - Describe how to deploy radios and connect them to the network
 - Explain how to complete initial configuration to connect to core (cloud or on-prem)
 - Provide an overview of radio settings including NR cell settings, sync settings, and NR security settings
 - Identify where to configure these settings for cloud or on-prem solutions

Module 08: Acceptance testing, monitoring, and troubleshooting

- Describe common acceptance testing, monitoring, and troubleshooting tasks for HPE Networking Private 5G
 - Provide an overview of common acceptance testing tasks
 - Explain how to view and interpret metrics and KPIs
 - Troubleshoot common issues such as devices that cannot attach, issues with SIMs, issues with radios, and suboptimal performance

Course no: P5G (0001216513)

Course version: 26.41

Length: 1 day

Resources

[All access training pass](#)

[On-demand](#)

[Courses](#)

[Schedule](#)

[Learning paths](#)

[Certifications](#)

Key contacts

Americas: networking.training.ams@hpe.com

Europe, Middle East, Africa: networking.training.emea@hpe.com

Asia Pacific & Japan: networking.training.api@hpe.com

Visit [HPE.com](https://hpe.com)

[Chat now](#)

© Copyright 2026 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty.

Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Trademark acknowledgments, if needed. All third-party marks are property of their respective owners.

HEWLETT PACKARD ENTERPRISE

HPE.com

